

P A T E N T C L A I M S .

1. Device for a security system on an installation in
5 connection with operation of a habitat (10) in which an
object that carries out work which results in heat
generation, such as flames, sparks and the like, is
isolated from the surroundings, and where an overpressure
of air is set up inside the habitat (10) to prevent ingress
10 of flammable gases, and comprising systems for supply of
electricity and overpressure air to the equipment inside
the habitat, and also an alarm system that can warn of
irregularities and the like,
characterised in

15 that the safety system comprises a shut-down central
(30) to which is connected;
a number of detectors (32-38) placed in or adjacent to
the habitat, and which can register parameters such as
gases, temperatures, changes in temperature as well as
20 pressure conditions adjacent to and/or inside the habitat,
and

and the shut-down central (30) is arranged to shut
down operation of the heat generating equipment when
irregularities arise in the operation of the habitat.

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2. Device in accordance with claim 1,
characterised in that the shut-down central (30) shuts down
the mentioned operation by shutting off the supply of
electricity and air to the heat generating equipment.

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3. Device in accordance with claims 1-2,
characterised in that the shut-down central (30) is
connected to the installation's own safety system, and
thereby also arranged to override the shut-down central's
35 (30) control of the habitat.

4. Device in accordance with claims 1-3,
characterised in that the installation's safety system is
arranged to monitor all the habitat's functions.
- 5 5. Device in accordance with one of the preceding claims,
characterised in that the shut-down central (30) is
electrically connected to the installation.
- 10 6. Device in accordance with one of the preceding claims,
characterised in that a detector in or adjacent to the
compressed air inlet of the habitat is connected to the
shut-down central (30) to control (and possibly be able to
shut off) the air supply, said compressed air is provided
by an itself known method by a fan or a compressor or the
15 like.
7. Device in accordance with claim 6,
characterised in that the installation's (10) compressed
air system supplies overpressure air to the habitat (10),
20 and the compressed air inlet of the habitat comprises a
detector arranged to function according to claim 2.
8. Device in accordance with claims 6-7,
characterised in that the overpressure system of the
25 habitat (10) is connected (20) to (gets compressed air
from) the installation's compressed air plant.
9. Device in accordance with one of the preceding claims,
characterised in that a pressure measuring instrument
30 (such as a manometer) inside the habitat is connected to
the shut-down central (30) which can then react/warn when
the pressure in the habitat falls below a certain given
pressure, or when one gets a sudden drop in pressure that
exceeds a given value per unit time inside the habitat.
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10. Device in accordance with one of the preceding claims,
characterised in that the safety systems of the habitat
and the installation are connected together such that the

installation's own control system can monitor all the habitat functions, for example, by way of the shut-down central (30), and is arranged to shut off the electricity supply when something abnormal arises inside the habitat.